

Title (en)  
MULTI-APPLICATION ROBOTISED PLATFORM FOR NEUROSURGERY AND RESETTING METHOD

Title (de)  
ROBOTER-PLATTFORM MIT MEHREREN ANWENDUNGEN FÜR DIE NEUROCHIRURGIE UND RÜCKSETZUNGSVERFAHREN DAFÜR

Title (fr)  
PLATEFORME ROBOTISEE MULTI-APPLICATIVE POUR LA NEUROCHIRURGIE ET PROCEDE DE RECALAGE

Publication  
**EP 2157931 A2 20100303 (FR)**

Application  
**EP 08826611 A 20080619**

Priority

- FR 2008000860 W 20080619
- FR 0704350 A 20070619

Abstract (en)  
[origin: WO2009013406A2] The invention relates to a multi-application robotised platform for neurosurgery, comprising: a planning console (1) comprising processing means (2) that can especially receive and process digital images; a positioning robot arm (3) comprising a plurality of arm segments, one of which is terminal and proximal and the other is terminal and distal, said segments being interconnected by articulated elements, the terminal distal arm segment comprising a receiving element (5) arranged in such a way as to receive tools (4), and the robot arm (3) being guided by the planning console (1); at least one video image recording means (14) able to record images of the anatomical region to be processed, said means (14) being electrically connectable to the processing means (2) of the planning console (1), and able to be positioned and fixed to the receiving element (5) of the distal arm segment in a removable manner; tools (4), instruments and others suitable for being positioned and fixed to the receiving element of the terminal distal arm segment in a removable manner; means for observing (6) pre-operating and per-operating images, said means being electrically connected to the planning console (1) for receiving video signals therefrom relating to the images to be observed, and/or to the image recording means (14). The invention also relates to a method ensuring an improved resetting of the anatomical region to be processed in relation to its digital model using said platform.

IPC 8 full level  
**A61B 19/00** (2006.01)

CPC (source: EP US)  
**A61B 34/30** (2016.02 - EP US); **A61B 34/70** (2016.02 - EP US); **A61B 34/10** (2016.02 - EP US); **A61B 90/11** (2016.02 - EP US); **A61B 2090/064** (2016.02 - EP US); **A61B 2090/364** (2016.02 - EP US); **A61B 2090/365** (2016.02 - EP US)

Citation (search report)  
See references of WO 2009013406A2

Cited by  
WO2019199170A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**FR 2917598 A1 20081226; FR 2917598 B1 20100402**; AT E499064 T1 20110315; CA 2691042 A1 20090129; CA 2691042 C 20120911; DE 602008005143 D1 20110407; EP 2157931 A2 20100303; EP 2157931 B1 20110223; ES 2361717 T3 20110621; JP 2010530268 A 20100909; JP 5190510 B2 20130424; US 2010137880 A1 20100603; US 8509503 B2 20130813; WO 2009013406 A2 20090129; WO 2009013406 A3 20090430

DOCDB simple family (application)  
**FR 0704350 A 20070619**; AT 08826611 T 20080619; CA 2691042 A 20080619; DE 602008005143 T 20080619; EP 08826611 A 20080619; ES 08826611 T 20080619; FR 2008000860 W 20080619; JP 2010512739 A 20080619; US 45214208 A 20080619